

HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 180

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100 TO 28/2100Z: SOLAR ACTIVITY CONTINUES LOW. TWO LOW LEVEL CLASS C X-RAY BURSTS HAVE OCCURRED; ONE ASSOCIATED WITH REGION 4525 (N13E72). THIS REGION CURRENTLY HAS A SINGLE LARGE SUNSPOT AND COMPACT PLAGE. YESTERDAY'S CORONAL TRANSIENT WAS ASSOCIATED WITH THIS REGION. REGION 4520 (S14W69) HAS HAD NUMEROUS BRIGHT POINT OCCURRENCES BUT NO FLARES HAVE BEEN RECORDED FROM THIS REGION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD HAS BEEN STRONGLY UNSETTLED TO ACTIVE AT MID LATITUDES AND ACTIVE WITH SHORT PERIODS AT STORM LEVEL AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 JUN-01 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JUN 096

PREDICTED 29 JUN-01 JUL 096/096/093

90 DAY MEAN 28 JUN 120

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 JUN 012/019

ESTIMATED AFR/AP 28 JUN 014/025

PREDICTED AFR/AP 29 JUN-01 JUL 015/020-015/020-015/025

- SOLTERWARN.

BT